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DESCRIPTORS: *Metals, *Soldering alloys, *Silver
solders, *Lead alloys, *Statics, *Low temperature
research, *Mechanical properties, Measurement.

This communication contains the results of measure-
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tensile strength σ_p , residual expansion δ , and
lateral contraction ν of nine types of soft solders
with a lead content of 10% to 75% and a tin content of
90% to 25%, and of two types of hard silver solders.
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DESCRIPTORS: *Metals, *Elasticity, Mechanical
properties, *Low temperature research, Copper,
Brass.

A rapid measuring method of the resilience of samples
at temperatures of liquid nitrogen and liquid hydrogen
(-196° and -253° C) is presented. Resilience measure-
ments were made at -196° and -253° C on three types
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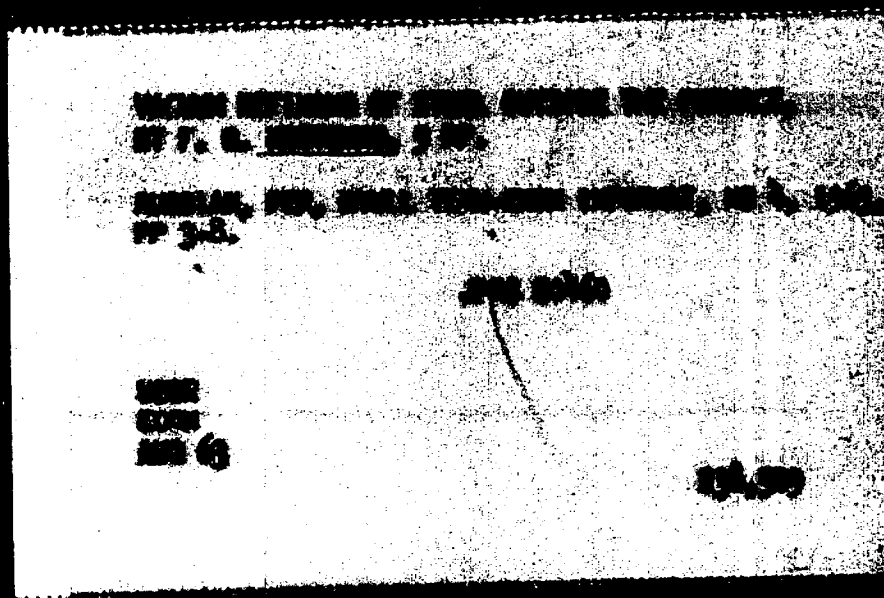
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DESCRIPTORS: *Electric power production, Trans-
mission lines, USSR, Electric currents, Control sys-
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chros, Computers.

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DESCRIPTORS: *Electric machinery, Frequency,
Test methods, Transients, Alternating current.

The new methods for the experimental investigation of
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factory results, especially in the calculation of tran-
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which an essential factor is the current displacement.
(Author)

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- V. DSIR LLU M. 3297
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(Gt. Brit.)

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DESCRIPTORS: *Hemolysins, *Phagocytosis,
*Radiation sickness, Secretion, *Peritoneum.

Results are given on the phagocytic activity of
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(in vivo experiments). Allowance was made in these
experiments for the effect of hemolysins produced by
injection of foreign erythrocytes. (Author)

(Biological Sciences--Radiobiology, TT, v. 10, no. 12)

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WAVE DEFORMATION DUE TO EARTH AND CON-
DUCTOR RESISTANCE IN A MULTI-CONDUCTOR
LINE, [1963] [13p] 10 refs C. E. Trans. 2578,
Order from OTS or SLA \$1.60 63-23956

Trans. of Elektrichestvo (USSR) 1961, no. 6, p. 5-10.

DESCRIPTORS: *Transmission lines, Electromagnetic waves, Multipath transmission, Distortion, Earth, Conductors, Resistance (Electrical), Mathematical analysis.

Relatively simple formulae are derived for the approximate calculation of the wave deformation in a line. The error of these formulae does not exceed 15% for lines (wave paths) up to 10 km long. To obtain more accurate solutions, the approximate formulae for a deformed front derived in the article are used. The correction for the deformed front is then calculated from (Engineering--Electrical, TT, v. 10, no. 12) (over)

63-23956

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catalysts, Reduction (Chemistry), Hydrocarbons,
*Gasoline, Barometric pressure

(Chemistry--Organic, TT, v. 10, no. 12)

63-20634

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Order from SLA \$2.60 61-20456

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DESCRIPTORS: Metalorganic compounds, *Aluminum compounds, *Boron compounds, *Alkyl radicals, *Hydrocarbons, Exchange reactions.

See also 61-20455

(Chemistry--Organic, TT, v. 7, no. 1)

61-20456

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See also 61-20453

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(Chemistry--Organic, TJ, v. 6, no. 8)

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SSA 59-17416

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SEA TT-65-10359

Roland Koster

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